



Technical Data Sheet

SYL-OFF™ 7682-000 Crosslinker

FEATURES & BENEFITS

- Solventless
- Fast curing
- Low temperature cure performance possible

Silicone crosslinker for solventless silicone release coatings

APPLICATIONS

- Crosslinker for release coatings for pressure sensitive laminate/labelstock
- Single and double-sided industrial release papers
- Crosslinker for coatings for liners of technical adhesive tapes
- Non-stick foodgrade packaging (see “Food Contact” for specific information)
- Non-stick packaging
- Film coating

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Form		Liquid
Chemical nature		Reactive siloxane polymer
Appearance		Clear liquid
Active ingredients	%	100
Specific gravity at 25°C (77°F)	g/cm ³	1.00
Viscosity at 25°C (77°F)	mPa.s	11
Flash point (closed cup) minimum	°C (°F)	90 (194)

FORMULATION DATA AND INFORMATION

Recommendations about how to use and formulate this product with other SYL-OFF™ materials are provided in the *Release Coatings Selector Guide* (Form No. 30-1321-01). More information about the use of SYL-OFF materials can be obtained from the technical service group.

HOW TO USE

SYL-OFF™ 7682-000 Crosslinker is one component of a multicomponent silicone release coating system. In order to use this product effectively, it must be blended with the appropriate SYL-OFF™ polymers, resins, catalysts and crosslinkers. See *Release*

Coatings Selector Guide (Form No. 30-1321-01) for specific recommendations.

HANDLING PRECAUTIONS

SYL-OFF 7682-000 Crosslinker evolves hydrogen gas slowly with time. The rate of evolution of gas can be increased when the material is catalyzed or when contaminated with water, bases, heavy metals or their compounds. Such mixtures must be kept in vented containers and adequate ventilation provided during use to prevent the accumulation of hydrogen gas in the work area. Care should also be taken when disposing of unused material (or unreacted mixtures containing this material), to store in

vented containers, allow adequate ventilation, and avoid contamination with water, bases, heavy metals or their compounds.

Direct contact with eyes and skin may cause slight irritation which can be relieved by flushing with water for 15 minutes. In the case of eye contact, seek medical attention. Rubber gloves and safety glasses should be worn when handling this product. Do not breathe spray or mist.

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT WWW.CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

USABLE LIFE AND STORAGE

When stored at or below 30°C (85°F) in the original, unopened, vented containers, this product has a usable life of 24 months from the date of production.

Vented containers must be stored upright and not exposed to direct sunlight for an extended period of time.

On storage, this material may emit small quantities of hydrogen gas.

Do not repackage or store in unvented containers. Adequately ventilate the storage area to prevent the accumulation of gas.

PACKAGING INFORMATION

This product is available in a variety of container sizes.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

FOOD CONTACT STATUS

This product may comply with certain FDA, BGvv, Kosher or other regulatory agency requirements for food-contact applications. Contact your local representative for current compliance information.

HEALTH AND ENVIRONMENTAL INFORMATION

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, www.consumer.dow.com or consult your local Dow representative.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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